*In the Claims:*

Claims 1 – 20 cancelled.

21. (New) An isolated polynucleotide encoding a cytokine receptor polypeptide, the polynucleotide comprising from amino acid residues 18 to 228 of SEQ ID NO:2.

22. (New) The isolated polynucleotide of claim 21, wherein the polynucleotide comprises from nucleotides 85 to 717 of SEQ ID NO:1.

23. (New) The isolated polynucleotide of claim 21, wherein the polynucleotide encodes a polypeptide comprising the amino acid sequence of SEQ ID NO:2.

24. (New) The isolated polynucleotide of claim 21, wherein the polynucleotide comprises SEQ ID NO:1.

25. (New) The isolated polynucleotide of claim 21, wherein the encoded polypeptide further comprises a transmembrane domain.

26. (New) The isolated polynucleotide of claim 25, wherein the transmembrane domain comprises amino acid residues 229 to 251 of SEQ ID NO:2.

27. (New) The isolated polynucleotide of claim 21, wherein the encoded polypeptide further comprises an intracellular domain.

28. (New) The isolated polynucleotide of claim 27, wherein the intracellular domain comprises amino acid residues 252 to 574 of SEQ ID NO:2.

29. (New) The isolated polynucleotide of claim 21, wherein the encoded polypeptide further comprises an affinity tag.

30. (New) The isolated polynucleotide of claim 29, wherein the affinity tag is selected from the group consisting of polyhistidine, protein A, glutathione S transferase, substance P, and an immunoglobulin heavy chain constant region.

31. (New) An isolated polynucleotide encoding a polypeptide selected from the group consisting of amino acid residues 1 to 228 of SEQ ID NO:2, amino acid residues 1 to 251

of SEQ ID NO:2, amino acid residues 1 to 574 of SEQ ID NO:2, amino acid residues 2 to 228 of SEQ ID NO:2, amino acid residues 2 to 251 of SEQ ID NO:2, amino acid residues 2 to 574 of SEQ ID NO:2, amino acid residues 229 to 251 of SEQ ID NO:2, amino acid residues 229 to 574 of SEQ ID NO:2 and amino acid residues 252 to 574 of SEQ ID NO:2.

32. (New) An expression vector comprising the following operably linked elements:
a transcription promoter;
a DNA segment encoding a cytokine receptor polypeptide, wherein the polypeptide comprises amino acid residues 18 to 228 of SEQ ID NO:2; and
a transcription terminator.

33. (New) The expression vector of claim 32, wherein the encoded polypeptide further comprises a signal sequence.

34. (New) The expression vector of claim 32, wherein the encoded polypeptide further comprises a transmembrane domain.

35. (New) The expression vector of claim 34, wherein the transmembrane domain comprises amino acid residues 229 to 251 of SEQ ID NO:2.

36. (New) The expression vector of claim 32, wherein the encoded polypeptide further comprises an intracellular domain.

37. (New) The expression vector of claim 36, wherein the intracellular domain comprises amino acid residues 252 to 574 of SEQ ID NO:2.

38. (New) A transformed or transfected cell into which has been introduced an expression vector according to claim 32, wherein the cell expresses a cytokine receptor polypeptide.